

ABSTRACT

An ultrasonic inspection tool (100) for inspecting the brazed joint (76) between two generator stator coils (18A and 18B) and an interconnecting copper bar (74). The inspection tool (100) is automatically serially positioned at a plurality of inspection sites on the surface of the copper bar (74). At each site an ultrasonic signal is emitted from the tool (100) and the return echo is sensed. Analysis of the return echo at each of the plurality of sites determines the characteristics of the brazed joint (76) at the site, from which a determination can be made as to the quality of the joint between coils (18A and 18B) and the copper bar (74).